

REMARKS

Claims 1 - 20, cancelled herein, were rejected for various reasons under §§ 102, 103 and 112. Applicant respectfully submits that the new claims submitted here define patentable subject matter.

The new claims presented here correspond roughly to the now cancelled claims as follows:

New Claim	Old Claim
21	1 + 2 + 5 + 6 + 7
22	3
23	8
24	9
25	12 + 3
26	1 + 2 + 3 + 5 + 6 + 7 + 9
27	1 + 5 + 6 + 7 + 10
28	11
29	19
30	19 + 6 + 7

§ 103 Rejection - Claims 1 - 9, 12 and 17 - 19

Claims 1 - 9, 12 and 17 - 19 have been rejected under § 103 based on Orr (U.S. 6,158,140) in view of Wardy (U.S. 4,687,414). These claims have been cancelled.

New Independent claims 21, 26, 27 and 29 recite these limitations:

- the vehicle has a roof and a roof space beneath the roof
- the air system has two fans
- the two fans direct air into the roof space
- air flows from the two fans turbulently intersect in the roof space

Orr has no teaching, suggestion, or hint of these limitations; nor does Orr need two fans to achieve his purposes. Orr discloses no roof on a vehicle and neither

recognizes nor addresses problems with heat associated with such a roof. Orr's single fan is front dash mounted -- and must be front mounted to achieve his dual-position aims of cooling occupants with a single fan and shifting to unblock an occupants' vision.

Regarding new independent claim 27, Orr has no teaching or suggestion of a roof with an opening or of directing air to such an opening with a fan located beneath the roof.

Regarding new claims 24 and 30 and new independent claim 26, Orr has no teaching or suggestion of using two fans for any purpose. Orr's aim is to re-position his single fan to cool first one occupant, then another. His system cannot simultaneously direct air at two different cart occupants.

Wardy does not remedy the deficiencies of Orr. Wardy has no teaching or suggestion to use two-fans; no teaching or suggestion to mount a fan to a vehicle; and no teaching or suggestion regarding creating a turbulent air flow beneath a roof. Mounting Wardy's rear body mounted to an occupant of Orr's vehicle would solve Orr's vision problem in a very different way and render useless and superfluous Orr's multi-position front dash mount. It is respectfully submitted that it is not obvious to combine Orr and Wardy; there is no motivation to make such a combination; and effecting such a combination defeats Orr's purposes and, therefore, the references teach away from such a combination.

What is now claimed herein is not merely the use of two of Orr's fans. Duplicating Orr's fans would merely provide two multi-positionable dash mounted fans. More than routine skill is involved in the present invention since the inventor recognized problems with heat in a space beneath a vehicle roof and problems with cooling two occupants simultaneously.

§ 103 Rejection - Claims 10, 11

Claims 10 and 11 have been rejected under § 103 based on Orr in view of Wardy and Russ (U.S. 6,202,394). These claims have been cancelled. New independent claim 27 includes the subject matter in now-cancelled claim 10 and new

dependent claim 28 includes the subject matter of now-cancelled claim 11. The discussion above regarding Orr, Wardy and the limitations of new independent claim 27 is repeated here.

Russ does not remedy the deficiencies of Orr and Wardy. Russ has no teaching or suggestion of multiple fans; of rear mounted fans; or of fans mounted beneath a vehicle roof.

§ 102 Rejection - Claims 13, 14, 20

Claims 13, 14 and 20 have been rejected under § 102 based on Orr. These claims have been cancelled.

§ 103 Rejection - Claim 15

Claim 15 has been rejected under § 103 based on Orr. Claim 15 has been cancelled.

§ 103 Rejection - Claim 16

Claim 16 has been rejected under § 103 based on Orr in view of Russ. Claim 16 has been cancelled.

§ 112 Rejection - Claim 2

Claim 2 was rejected under § 112 as having no antecedent basis for "one fan." Antecedent basis is correct in new claim 21 which incorporates some of the subject matter of now-cancelled claim 2.

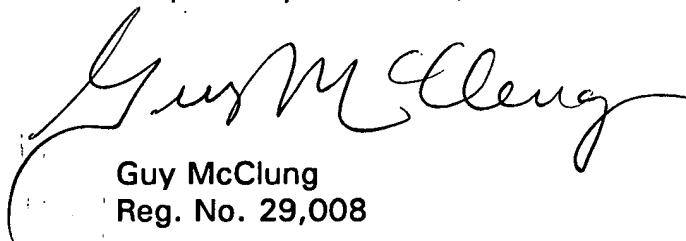
Claim Objections - Claims 2, 19

Informalities in claim 2 (now part of new claim 21) and in claim 19 (now new claim 29) have been addressed as suggested by the Examiner.

Conclusion

Applicant appreciates the careful and detailed Office Action. This is intended to be a complete Response to the Office Action. Early and favorable reconsideration is respectfully requested.

Respectfully submitted,


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